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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Suekane et al.

Title: Magnetic Recording Medium

Serial No.: 10/808,089

Filing Date: 3/23/04

Examiner: Unknown

Art Unit: 2652

Docket No.: AK2-C2

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants enclose herewith a set of forms (six pages) listing the references that are of record in parent application 09/895,679 (now U.S. Patent 6,743,528). Applicants request that these references be made of record in the present application.

Respectfully submitted,

Kenneth E. Leeds
Reg. No. 30,566
Attorney for Applicants

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 13, 2004.

June 13, 2004

Date

Signature

U.S. Department of Commerce, Patent and Trademark Office				Atty Docket No.	Serial No.		
				AK2-C2	10/808089		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>O I P E</i> <i>JUN 17 2004</i> <i>SCG</i>				Applicants			
(Use several sheets if necessary)				Suekane et al.			
				Filing Date	Group		
				3/23/04	Unknown		
U.S. Patent Documents							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
AA	5,051,288	9/1991	Ahlert et al.	428	64		
AB	5,147,732	9/1992	Shiroishi et al.	428	668		
AC	5,580,667	12/1996	Lal et al.	428	610		
AD	5,607,740	3/1997	Noda	428	65.3		
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AG	5,701,223	12/1997	Fontana, Jr. et al.	360	113		
AH	5,756,202	5/1998	Van Kestersen et al.	428	332		
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AQ	H.J. Richter et al., "Dynamic Coercivity Effects In Thin Film Media", IEEE Transactions on Magnetics, Vol. 34, No. 4, Jul. 1998 pp. 1540-1542.						
AR	Pu-Ling Lu et al., "Thermal Instability at 10 Gbit/in ² Magnetic Recording", IEEE Transactions on Magnetics, vol. 30, no. 6, Nov. 1994, pp. 4230-4232.						
AS	S.S.P. Parkin, "Systematic Variation in the Strength and Oscillation Period of Indirect Magnetic Exchange Coupling through the 3d, 4d, and 5d Transition Metals", Physical Rev. Letters, 12/16/91, pp. 3598-3601.						
Examiner		Date Considered					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

Did not receive any FDR or NPL

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	AA	5,851,643	12/1998	Honda et al.	428	212		
	AB	5,851,656	12/1998	Ohkubo	428	332		
	AC	5,898,549	4/1999	Gill	360	113		
	AD	6,077,586	6/2000	Bian et al.	428	65.3		
	AE	6,143,388	11/2000	Bian et al.	428	65.3		
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	AL	2355018 A	4/2001	GB				
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Pu-Ling Lu et al., "High Density Magnetic Recording Media Design and Identification: Susceptibility to Thermal Decay", IEEE Transactions on Magnetics, Vol. 31, No. 6, Nov. 1995, pp. 2767-2769.						
	AR	I. Okamoto et al., "Rigid Disk Medium for 5Gb/in ² Recording", IEEE Intermag 1996 Digest						
	AS	Y. Hosoe et al., "Experimental Study of Thermal Decay in High-Density Magnetic Recording Media", IEEE Transactions on Magnetics, vol. 33, No. 5, Sept. 1997, pp. 3028-3030.						
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							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	8-129738	5/1996	JP				
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	AQ	Pu-Ling Lu et al., "Magnetic Viscosity in High-Density Recording", J. Appl. Phys. 75(10), May 15, 1994, pp. 5768-5770.						
	AR	E.N. Abarra et al., "Thermal Stability of Narrow Track Bits in a 5 Gbit/in ² Medium", IEEE Transactions on Magnetics, Vol. 33, No. 5, Sep. 1997, pp. 2995-2997.						
	AS	L. He et al., "High-Speed Switching in Magnetic Recording Media", Journal of Magnetism and Magnetic Materials 155 (1996) 6-12.						
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		Document	Date	Country	Class	Subclass	Yes	No
	AL	10-289,434	10/1998	JP				
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	AQ	Akimoto et al., "Relationship Between Magnetic Circumferential Orientation and Magnetic Thermal Stability, Recording Performance", Journal of Magnetic Society of Japan, vol. 24, No. 4-1, 2000, pp.176-179
	AR	E.N. Abarra et al., "The Effect of Orientation Ratio on the Dynamic Coercivity of Media for >15 Gbit/in ² Recording", IEEE Transactions on Magnetics, vol. 35, No. 5, Sep. 1999, pp. 2709-2711.
	AS	M.N. Baibich et al., "Giant Magnetoresistance of (001)Fe/(001)Cr Magnetic Superlattices", Physical Review Letters, vol. 61, No. 21, Nov. 21, 1998, pp. 2472-2475

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	AO							
	AP							

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	AR	K. Meguro et al., "Spin-Valve Films Using Synthetic Ferrimagnets for Pinned Layer", IEEE Transactions on Magnetics, vol. 35, no. 5, Sep. 1999, pp. 2925-2927.
	AS	H. Akimoto et al., "Magnetic Relaxation in Thin Film Media as a Function of Orientation Ratio", Journal of Magnetism and Magnetic Materials 193 (1999) 240-244.

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AQ	Parkin et al., "Oscillations in Exchange Coupling and Magnetoresistance in Metallic Superlattice Structures: Co/Ru, Co/Cr, and Fe/Cr", Phys. Rev. Letters, vol. 64, no. 19, May 7, 1990, pp. 2304-2307.
AR	E.S. Murdock et al., "Noise Properties of Multilayered Co-alloy Magnetic Recording Media", IEEE Transactions on Magnetics, vol. 26, no. 5, Sep. 1990, pp. 2700-2705.
AS	Li-Lien Lee et al., "NiAl Underlayers for CoCrTa Magnetic Thin Films", IEEE Transactions on Magnetics, vol. 30, no. 6, Nov. 1994, pp. 3951-3953.

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